

ABSTRACT

A spectrally broadband light source of high optical power for fiber optic applications. A number of LEDs are arranged as a monolithic array of adjacent surface-emitting, bright, on a wafer or chip. A microoptics array is arranged upstream of the monolithic LED linear array on the emission side for focusing the light beams emanating from the LEDs. Collecting optics in particular a spherical lens, is provided for optimizing the optical power to be launched into a fiber.